

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 31, 2003, 17:57:32 ; Search time 17.3556 Seconds
(without alignments)
828.194 Million cell updates/sec

Title: US-09-772-103-10
Perfect score: 742
Sequence: 1 MAVLVFLCLVAPPSCVLSQ.....MKRGYAMDYWGQGLTVTVSS 142

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 10123694 residues

Number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pap:*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pap:*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pap:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pap:*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pap:*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pap:*
- 7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pap:*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pap:*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pap:*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pap:*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pap:*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pap:*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pap:*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	545	73.5	140	10	US-09-007-093-4
2	539.5	72.7	129	1	US-08-779-784-37
3	530	71.4	151	9	US-09-797-941A-2
4	527.5	71.1	135	1	US-08-779-784-32
5	525	70.8	119	9	US-10-144-644-62
6	514	69.3	152	10	US-09-990-205-4
7	512.5	69.1	139	10	US-09-881-823-4
8	507	68.3	144	9	US-09-797-941A-8
9	494.5	66.6	250	9	US-10-194-975-110
10	485	65.4	119	9	US-10-144-644-15
11	472	63.6	119	9	US-10-144-644-19
12	468	63.1	333	9	US-10-059-261-61
13	466.5	62.9	120	9	US-10-194-975-112
14	466	62.8	119	9	US-10-125-687-5
15	466	62.8	119	12	US-10-025-687-5
16	466	62.8	249	10	US-09-730-374-3
17	463	62.4	119	9	US-10-232-187-2
18	458.5	61.8	116	9	US-10-194-975-100
19	458.5	61.8	487	10	US-09-800-729-145

20	456	61.5	116	10	US-09-881-823-18
21	453.5	61.1	112	10	US-09-824-286-3
22	446.5	60.2	119	12	US-10-140-555-2
23	438	59.0	251	9	US-09-880-748-990
24	437.5	59.0	252	9	US-09-880-748-1329
25	436.5	58.8	250	9	US-09-880-748-1548
26	434.5	58.6	116	9	US-10-112-788-7
27	434.5	58.6	260	9	US-10-112-788-12
28	433.5	58.4	247	9	US-09-880-748-1651
29	431.5	58.2	114	10	US-09-865-483-8
30	431	58.1	253	9	US-09-880-748-1619
31	430.5	58.0	139	10	US-09-809-739-9
32	430.5	58.0	254	9	US-09-880-748-1659
33	430	58.0	254	9	US-09-880-748-844
34	429	57.8	467	9	US-10-211-357-8
35	429	57.8	467	9	US-10-211-357-10
36	429	57.8	467	9	US-10-211-357-12
37	426	57.4	255	9	US-09-880-748-841
38	425	57.3	476	9	US-10-124-905-12
39	425	57.3	476	9	US-09-948-429B-12
40	424.5	57.2	252	9	US-09-880-748-1994
41	424	57.1	474	9	US-10-270-555-3
42	422	56.9	139	9	US-10-211-357-2
43	422	56.9	139	10	US-09-850-165-17
44	422	56.9	253	9	US-09-880-748-1339
45	419.5	56.5	254	9	US-09-880-748-1578

ALIGNMENTS

RESULT 1

US-09-007-093-4
; Sequence 4, Application US/09007093
; Patent No. US20020025315A1
; GENERAL INFORMATION:
; APPLICANT: Anand, Naveen N
; APPLICANT: Barber, Brian H
; APPLICANT: Bates, George A
; APPLICANT: Caterini, Judith E
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: CHIMERIC ANTIBODIES FOR DELIVERY OF
; TITLE OF INVENTION: ANTIGENS TO SELECTED CELLS OF THE IMMUNE SYSTEM
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: Suite 701, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/007,093
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/483,576
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-765
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 140 amino acids

63 KGLEWLGVWRRGGSTDYNAAFMSRLNITKDNSK

Qy 121 AMMKRGYAMDYWGQGLTVSS 142
Db 119 SMITTFVMDSWGQGLTVSS 140

RESULT 4

US-08-779-784-32
; Sequence 32, Application US/08779784
; Patent No. US20020164325A1
; GENERAL INFORMATION:
; APPLICANT: Rodriguez, Moses
; APPLICANT: Miller, David J.
; APPLICANT: Asakura, Kunihiko
; TITLE OF INVENTION: PROMOTION OF CENTRAL NERVOUS SYSTEM
; REMYELINATION USING MONOCLONAL AUTOANTIBODIES
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,784
; FILING DATE: 07-JAN-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/692,084
; FILING DATE: 08-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/236,520
; FILING DATE: 29-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1199-1-001 CIPA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
US-08-779-784-32

Query Match 71.1%; Score 527.5; DB 1; Length 135;
Best Local Similarity 71.1%; Pred. No. 7e-37;
Matches 101; Conservative 17; Mismatches 17; Indels 7; Gaps 1;
Qy 1 MAVLVFLCLVAPSCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVVRQPP 60
Db 1 MAVLGLLFLVTPFSCVLSQVQLKQSGPLVQPSQSLITCTVSGFSLTSYGVHWRQSP 60
Qy 61 GKGLEWLVGAGTNNYNSALMSRLTISKDTKNQVSLKSLSSVTAADTAVYYCARGPPH 120
Db 61 GKGLEWLVGSGSDYNAFTSRISLISKDASKSQVFFKNSLHATDTAVYYCAR---- 116
Qy 121 AMMKRGYAMDYWGQGLTVSS 142

Db 117 ---DYSGRGDYWGQGLTVSS 135

RESULT 5

US-10-144-644-62
; Sequence 62, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UM2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/467420
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/363131
; FILING DATE: 23-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Sutton, Jeffrey A.
; REGISTRATION NUMBER: 34,028
; REFERENCE/DOCKET NUMBER: P50282-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5024
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-10-144-644-62

Query Match 70.8%; Score 525; DB 9; Length 119;
Best Local Similarity 81.3%; Pred. No. 1e-36;
Matches 100; Conservative 11; Mismatches 8; Indels 4; Gaps 1;
Qy 20 QVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVVRQPPGKLEWLVGAGTNNYN 79
Db 1 QVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVHWRQPPGKLEWLVGAGTNNYN 60
Qy 80 SALMSRLTISKDTKNQVSLKSLSSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGLTV 139
Db 61 SALMSRLTISKDTKNQVSLKSLSSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGLTV 116
Qy 140 VSS 142

```

Db      117 VSS 119
|||
RESULT 6
US-09-990-205-4
; Sequence 4, Application US/09990205
; Patent No. US20020150572A1
; GENERAL INFORMATION:
; APPLICANT: FOON, Kenneth A.
; APPLICANT: CHATTERJEE, Malaya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OF PSORIASIS
; FILE REFERENCE: 304142000501
; CURRENT APPLICATION NUMBER: US/09/990,205
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: U.S. 09/192,838
; PRIOR FILING DATE: 1998-11-16
; PRIOR APPLICATION NUMBER: U.S. 60/065,774
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patent in Ver. 2.0
; ID NO 4
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Mus Musculus
US-09-990-205-4

Query Match      69.3%; Score 514; DB 10; Length 152;
Best Local Similarity 70.4%; Pred. No. 1e-35;
Matches 100; Conservative 15; Mismatches 21; Indels 6; Gaps 1;

QY      1 MAVLFLCLVAFPCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60
|||
Db      1 MAVLGLLFCVLPFCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60
|||
QY      61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120
|||
Db      61 GKGLEWLGIIWGDGTTNYSALISRLSISKDNKSKQVFLKNSLQTDTDATYYCAK----N 115
|||
QY      121 AMMKRGYAMDYWGOGTLVTVSS 142
|||
Db      116 YPCLYFYGMDYWGOGTSTVTVSS 137
|||

RESULT 8
US-09-797-941A-8
; Sequence 8, Application US/09797941A
; Patent No. US20020164788A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, JONATHAN H.
; APPLICANT: LEWIS, ALAN P.
; TITLE OF INVENTION: HUMANISED ANTIBODIES TO CD38
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 Mb disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/797,941A
; FILING DATE: 05-Mar-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/849,410
; FILING DATE: 30-MAY-1997
; APPLICATION NUMBER: PCT/GB95/02777
; FILING DATE: 28-NOV-1995
; APPLICATION NUMBER: GB 9424449.8
; FILING DATE: 02-DEC-1994
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 144 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-797-941A-8

Query Match      68.3%; Score 507; DB 9; Length 144;
Best Local Similarity 73.5%; Pred. No. 3.8e-35;
Matches 97; Conservative 17; Mismatches 14; Indels 4; Gaps 1;

QY      6 LFLCLVAFPCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPPGKGL 65
|||
Db      17 IILFLVATATGHSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPPGKGL 76
|||
QY      66 WLGIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPHAMMKR 125
|||
Db      77 WIGVWVRGSDTDYNAAFMSRLNITKDNKSKNQVSLKSSVTAADTAVYCAK----SMITT 132
|||
QY      126 GYAMDYWGOGTL 137
|||
Db      133 GFVMDSWGQGL 144.

RESULT 9
US-10-194-975-110

```

```
; Sequence 110, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 110
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: humanized chimeric D1.3 antibody
; US-10-194-975-110

Query Match          66.6%; Score 494.5; DB 9; Length 250;
Best Local Similarity 67.6%; Pred. No. 7.1e-34;
Matches 96; Conservative 18; Mismatches 21; Indels 7; Gaps 1;

QY 1 MAVLVFLCLVAPSPCVLSQVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPP 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 5 IAFLLASMFVFSIATNAYAQVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPP 64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 61 GKGLWLGTVWAGTNNYNSALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPH 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 65 GKGLWLGTVWAGTNNYNSALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPH 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 121 AMKRGYAMDYWGQGLTVTVSS 142
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 121 ---ERDYLDDYWGQGLTVTVSS 139
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 10
US-10-144-644-15
; Sequence 15, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UW2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:

; Sequence 19, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UW2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/467420
; FILING DATE: 06-JUN-1995
; APPLICATION DATA:
; FILING DATE: 23-DEC-1994
; ATTORNEY/AGENT INFORMATION: INFORMATION:
; NAME: Sutton, Jeffrey A.
; REGISTRATION NUMBER: 34,028
; REFERENCE/DOCKET NUMBER: P50282-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5024
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-10-144-644-15

Query Match          65.4%; Score 485; DB 9; Length 119;
Best Local Similarity 74.0%; Pred. No. 2.1e-33;
Matches 91; Conservative 16; Mismatches 12; Indels 4; Gaps 1;

QY 20 QVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPPGKLEWLGTVWAGTNNY 79
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1 QVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPPGKLEWLGTVWAGTNNY 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 80 SALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPHAMKRGYAMDYWGQGLTV 139
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 SALMSRLSISKDNKSQVFLKLSLQTDITAMVYCARDPPSSLLR----LDYWGQGLTV 116
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 140 VSS 142
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 117 VSS 119
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-10-144-644-19
; Sequence 19, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UW2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
```



```
Db 1 QVQLQESGPGLVKPSSETLSLTCTVSGGSISSYYWSWIRQPPGKLEWIGIYIYSGSTNYN 60
QY 80 SALMSRLTISKDTSKNQVSLKLSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGTILVT 139
Db 61 PSLKSRVTISVDTSKNQFSLKLSVTAADTAVYYCARGWGGDF----YAMDYWGQGTILVT 116
QY 140 VSS 142
Db 117 VSS 119
```

```
RESULT 15
US-10-025-687-5
; Sequence 5, Application US/10025687
; Patent No. US20020142255A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY
; PUBLICATION REFERENCE: 26050-705
; CURRENT APPLICATION NUMBER: US/10/025,687
; CURRENT FILING DATE: 2002-04-17
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human consensus antibody heavy chain variable region
US-10-025-687-5
```

```
Query Match 62.8%; Score 466; DB 12; Length 119;
Best Local Similarity 75.6%; Pred. No. 7.9e-32;
Matches 93; Conservative 9; Mismatches 17; Indels 4; Gaps 1;
QY 20 QVQLQESGPGLVKPSQTLSTCTVSGFSLTSGYVWVRQPPGKLEWLVINAGGTTNYN 79
Db 1 QVQLQESGPGLVKPSSETLSLTCTVSGGSISSYYWSWIRQPPGKLEWIGIYIYSGSTNYN 60
QY 80 SALMSRLTISKDTSKNQVSLKLSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGTILVT 139
Db 61 PSLKSRVTISVDTSKNQFSLKLSVTAADTAVYYCARGWGGDF----YAMDYWGQGTILVT 116
QY 140 VSS 142
Db 117 VSS 119
```

Search completed: May 31, 2003, 18:05:43
Job time : 18.3556 secs

